U.S. DEPARTMENT OF ENERGY | Energy Efficiency & Renewable Energy

DOE Solid-State Lighting Manufacturing R&D Workshop

WELCOME

June 13, 2012

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Why Are We Here?

- Collaboration and a common framework of priorities are essential to moving SSL forward
- Cost reductions are key, but do not happen automatically
- Need to rethink the way things are done
  - System-level rethinking of luminaire design
  - Improvement in all areas of manufacturing

What is the “Right” U.S. Role?

- Window of opportunity to establish U.S. role in SSL manufacturing
- What roles make sense? How do we retain technology know-how and IP?
- Countless workshop speakers, SSL in America profiles show us the way

What's at Stake?

- Opportunity to keep and grow current U.S. SSL manufacturing base
- Retain and create U.S. jobs
- Increase sales of value-added exports
- Decrease imports
- Maintain U.S. technology leadership in product advances, future development

The Role of DOE

- Manufacturing R&D Initiative launched in 2009
- Goals:
  - Accelerate cost reductions and improve product quality/consistency through equipment and process improvements
  - Encourage U.S. role in SSL manufacturing
- Annual roundtables, workshops provide opportunity to share updates, provide input to refine roadmap

Your Role

- **Learn, share, participate in discussions…**
- Home grown manufacturing: It can be done
- Global manufacturing trends: What's happening overseas?
- Rethinking luminaire manufacturing: How will it change for SSL?
- SSL manufacturing standards: Progress and updates
- R&D presentations, poster session: Updates on DOE-funded projects
- LED/OLED track sessions: Refine roadmap tasks and priorities
- Improving the U.S. role in the global supply chain: What roles make sense?

COMING TOGETHER IS A BEGINNING; KEEPING TOGETHER IS PROGRESS;

WORKING TOGETHER IS SUCCESS.

~ HENRY FORD